



PCT10  
ENTERED

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION: US/10/070,789**

DATE: 03/21/2002  
TIME: 15:43:31

Input Set : A:\Sequence  
Output Set: N:\CRF3\03212002\J070789.raw

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60	aac tat ctg gga agc aga gat cat ttt gcc tta gac agg cca tct gag	435
61	Asn Tyr Leu Gly Ser Arg Asp His Phe Ala Leu Asp Arg Pro Ser Glu	
62	120 125 130	
64	aca cat gca gac tat ctt ttg aga act ggg cag gtt gta gat ata tca	483
65	Thr His Ala Asp Tyr Leu Leu Arg Thr Gly Gln Val Val Asp Ile Ser	
66	135 140 145 150	
68	gac acc ata tac ccg agg aac cct gcc atg tat tgt gaa gaa gct aga	531
69	Asp Thr Ile Tyr Pro Arg Asn Pro Ala Met Tyr Cys Glu Glu Ala Arg	
70	155 160 165	
72	tta aag tcc ttt cag aac tgg cca gac tat gct cac cta acc cca aga	579
73	Leu Lys Ser Phe Gln Asn Trp Pro Asp Tyr Ala His Leu Thr Pro Arg	
74	170 175 180	
76	gag tta gca agt gct gga ctc tac tac aca ggt att ggt gac caa gtg	627
77	Glu Leu Ala Ser Ala Gly Leu Tyr Tyr Thr Gly Ile Gly Asp Gln Val	
78	185 190 195	
80	cag tgc ttt tgt tgt ggt gga aaa ctg aaa aat tgg gaa cct tgt gat	675
81	Gln Cys Phe Cys Cys Gly Gly Lys Leu Lys Asn Trp Glu Pro Cys Asp	
82	200 205 210	
84	cgt gcc tgg tca gaa cac agg cga cac ttt cct aat tgc ttc ttt gtt	723
85	Arg Ala Trp Ser Glu His Arg Arg His Phe Pro Asn Cys Phe Phe Val	
86	215 220 225 230	
88	ttg ggc cgg aat ctt aat att cga agt gaa tct gat gct gtg agt tct	771
89	Leu Gly Arg Asn Leu Asn Ile Arg Ser Glu Ser Asp Ala Val Ser Ser	
90	235 240 245	
92	gat agg aat ttc cca aat tca aca aat ctt cca aga aat cca tcc atg	819
93	Asp Arg Asn Phe Pro Asn Ser Thr Asn Leu Pro Arg Asn Pro Ser Met	
94	250 255 260	
96	gca gat tat gaa gca cgg atc ttt act ttt ggg aca tgg ata tac tca	867
97	Ala Asp Tyr Glu Ala Arg Ile Phe Thr Phe Gly Thr Trp Ile Tyr Ser	
98	265 270 275	
100	gtt aac aag gag cag ctt gca aga gct gga ttt tat gct tta ggt gaa	915
101	Val Asn Lys Glu Gln Leu Ala Arg Ala Gly Phe Tyr Ala Leu Gly Glu	
102	280 285 290	
104	ggt gat aaa gta aag tgc ttt cac tgt gga gga ggg cta act gat tgg	963
105	Gly Asp Lys Val Lys Cys Phe His Cys Gly Gly Leu Thr Asp Trp	
106	295 300 305 310	
108	aag ccc agt gaa gac cct tgg gaa caa cat gct aaa tgg tat cca ggg	1011
109	Lys Pro Ser Glu Asp Pro Trp Glu Gln His Ala Lys Trp Tyr Pro Gly	
110	315 320 325	
112	tgc aaa tat ctg tta gaa cag aag gga caa gaa tat ata aac aat att	1059
113	Cys Lys Tyr Leu Leu Glu Gln Lys Gly Gln Glu Tyr Ile Asn Asn Ile	
114	330 335 340	
116	cat tta act cat tca ctt gag gag tgt ctg gta aga act act gag aaa	1107
117	His Leu Thr His Ser Leu Glu Glu Cys Leu Val Arg Thr Thr Glu Lys	
118	345 350 355	
120	aca cca tca cta act aga aga att gat gat acc atc ttc caa aat cct	1155
121	Thr Pro Ser Leu Thr Arg Arg Ile Asp Asp Thr Ile Phe Gln Asn Pro	
122	360 365 370	
124	atg gta caa gaa gct ata cga atg ggg ttc agt ttc aag gac att aag	1203

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125	Met Val Gln Glu Ala Ile Arg Met Gly Phe Ser Phe Lys Asp Ile Lys	
126	375 380 385 390	
128	aaa ata atg gag gaa aaa att cag ata tct ggg agc aac tat aaa tca	1251
129	Lys Ile Met Glu Glu Lys Ile Gln Ile Ser Gly Ser Asn Tyr Lys Ser	
130	395 400 405	
132	ctt gag gtt ctg gtt gca gat cta gtg aat gct cag aaa gac agt atg	1299
133	Leu Glu Val Leu Val Ala Asp Leu Val Asn Ala Gln Lys Asp Ser Met	
134	410 415 420	
136	caa gat gag tca agt cag act tca tta cag aaa gag att agt act gaa	1347
137	Gln Asp Glu Ser Ser Gln Thr Ser Leu Gln Lys Glu Ile Ser Thr Glu	
138	425 430 435	
140	gag cag cta agg cgc ctg caa gag gag aag ctt tgc aaa atc tgt atg	1395
141	Glu Gln Leu Arg Arg Leu Gln Glu Glu Lys Leu Cys Lys Ile Cys Met	
142	440 445 450	
144	gat aga aat att gct atc gtt ttt gtt cct tgt gga cat cta gtc act	1443
145	Asp Arg Asn Ile Ala Ile Val Phe Val Pro Cys Gly His Leu Val Thr	
146	455 460 465 470	
148	tgt aaa caa tgt gct gaa gca gtt gac aag tgt ccc atg tgc tac aca	1491
149	Cys Lys Gln Cys Ala Glu Ala Val Asp Lys Cys Pro Met Cys Tyr Thr	
150	475 480 485	
152	gtc att act ttc aag caa aaa att ttt atg tct taa tctaactcta	1537
153	Val Ile Thr Phe Lys Gln Lys Ile Phe Met Ser	
154	490 495	
156	tagtaggcat gttatgttgt tcttattacc ctgattgaat gtgtgatgtg aactgacttt	1597
158	aagtaatcg gattgaattc cattagcatt tgctaccaag tagaaaaaaa aatgtacatg	1657
160	gcagtgtttt agttggcaat ataatcttg aatttcttga ttttcaggg tattagctgt	1717
162	attatccatt tttttactg ttatttaatt gaaaccatag actaagaata agaagcatca	1777
164	tactataact gaacacaatg tgtattcata gtatactgat ttaatttcta agtgtaaatg	1837
166	aattaatcat ctggatttt tattctttc agataggctt aacaaatgga gctttctgt	1897
168	tataaatgtg gagattagag ttaatctccc caatcacata atttggggatg tttttttt	1957
170	gaataaaattt ttccatgctg gtggaaagat agagattttt ttttagaggtt ggttgttg	2017
172	tttttaggatt ctgtccattt tcttggaaatg ggataaacac ggacgtgtgc gaaatatgtt	2077
174	tgtaaagtga ttggccattt ttggaaagcgt atttaatgat agaataactat cgagccaaca	2137
176	tgtactgaca tggaaagatg tcagagatg tttttttttt gttttttttt gttttttttt	2197
178	tatgtatagt ctggccatgg tttttttttt tttttttttt tttttttttt tttttttttt	2257
180	ttggaaagat atacacccaa ctgtttttttt tttttttttt tttttttttt tttttttttt	2317
182	ttggaaagat atacacccaa ctgtttttttt tttttttttt tttttttttt tttttttttt	2377
184	ttggaaagat atacacccaa ctgtttttttt tttttttttt tttttttttt tttttttttt	2437
186	ttggaaagat atacacccaa ctgtttttttt tttttttttt tttttttttt tttttttttt	2497
188	caccctcccc tctgaacaaa tgcctgagtg ctggggcact ttg	2540
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192	<211> LENGTH: 24	
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194	<213> ORGANISM: Artificial Sequence	
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196	<223> OTHER INFORMATION: PCR Primer	
198	<400> SEQUENCE: 2	24
199	ttccaagtgg tagtcctgtt tcag	
202	<210> SEQ ID NO: 3	

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203 <211> LENGTH: 23
204 <212> TYPE: DNA
205 <213> ORGANISM: Artificial Sequence
W--> 207 <220> FEATURE:
207 <223> OTHER INFORMATION: PCR Primer
209 <400> SEQUENCE: 3
210      gcacggtac tccttcacca gta          23
213 <210> SEQ ID NO: 4
214 <211> LENGTH: 27
215 <212> TYPE: DNA
216 <213> ORGANISM: Artificial Sequence
W--> 218 <220> FEATURE:
218 <223> OTHER INFORMATION: PCR Probe
220 <400> SEQUENCE: 4
221      caaacactggc acgagcagg tttcttt          27
224 <210> SEQ ID NO: 5
225 <211> LENGTH: 19
226 <212> TYPE: DNA
227 <213> ORGANISM: Artificial Sequence
W--> 229 <220> FEATURE:
229 <223> OTHER INFORMATION: PCR Primer
231 <400> SEQUENCE: 5
232      gaaggtgaag gtcggagtc          19
235 <210> SEQ ID NO: 6
236 <211> LENGTH: 20
237 <212> TYPE: DNA
238 <213> ORGANISM: Artificial Sequence
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240 <223> OTHER INFORMATION: PCR Primer
242 <400> SEQUENCE: 6
243      gaagatggtg atgggatttc          20
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247 <211> LENGTH: 20
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial Sequence
W--> 251 <220> FEATURE:
251 <223> OTHER INFORMATION: PCR Probe
253 <400> SEQUENCE: 7
254      caagctcccc gttctcagcc          20
257 <210> SEQ ID NO: 8
258 <211> LENGTH: 20
259 <212> TYPE: DNA
260 <213> ORGANISM: Artificial Sequence
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262 <223> OTHER INFORMATION: Antisense Oligonucleotide
264 <400> SEQUENCE: 8
265      taggacttgt ccacctttc          20
268 <210> SEQ ID NO: 9
269 <211> LENGTH: 20

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270 <212> TYPE: DNA  
271 <213> ORGANISM: Artificial Sequence  
W--> 273 <220> FEATURE:  
273 <223> OTHER INFORMATION: Antisense Oligonucleotide  
275 <400> SEQUENCE: 9  
276 ttgaaaatag gacttgtcca 20  
279 <210> SEQ ID NO: 10  
280 <211> LENGTH: 20  
281 <212> TYPE: DNA  
282 <213> ORGANISM: Artificial Sequence  
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284 <223> OTHER INFORMATION: Antisense Oligonucleotide  
286 <400> SEQUENCE: 10  
287 tcttctcttg aaaataggac 20  
290 <210> SEQ ID NO: 11  
291 <211> LENGTH: 20  
292 <212> TYPE: DNA  
293 <213> ORGANISM: Artificial Sequence  
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295 <223> OTHER INFORMATION: Antisense Oligonucleotide  
297 <400> SEQUENCE: 11  
298 catcttctct tgaaaaatagg 20  
301 <210> SEQ ID NO: 12  
302 <211> LENGTH: 20  
303 <212> TYPE: DNA  
304 <213> ORGANISM: Artificial Sequence  
W--> 306 <220> FEATURE:  
306 <223> OTHER INFORMATION: Antisense Oligonucleotide  
308 <400> SEQUENCE: 12  
309 gtcatcttct ctggaaaata 20  
312 <210> SEQ ID NO: 13  
313 <211> LENGTH: 20  
314 <212> TYPE: DNA  
315 <213> ORGANISM: Artificial Sequence  
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317 <223> OTHER INFORMATION: Antisense Oligonucleotide  
319 <400> SEQUENCE: 13  
320 aagtcatctt ctcttgaaaa 20  
323 <210> SEQ ID NO: 14  
324 <211> LENGTH: 20  
325 <212> TYPE: DNA  
326 <213> ORGANISM: Artificial Sequence  
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328 <223> OTHER INFORMATION: Antisense Oligonucleotide  
330 <400> SEQUENCE: 14  
331 aaaagtcatc ttctcttgaa 20  
334 <210> SEQ ID NO: 15  
335 <211> LENGTH: 20  
336 <212> TYPE: DNA

VERIFICATION SUMMARY  
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L:14 M:270 C: Current Application Number differs, Replaced Current Application No  
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
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L:207 M:258 W: Mandatory Feature missing, <220> FEATURE:  
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